

# ASHTON BRONZE RELIEF VALVES



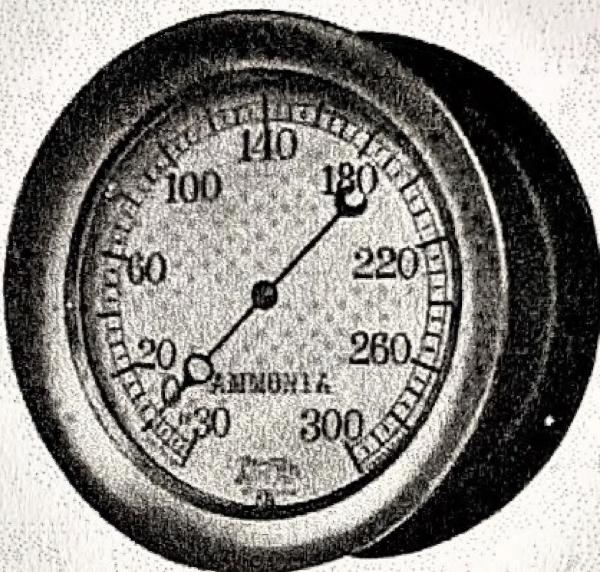
No. GC



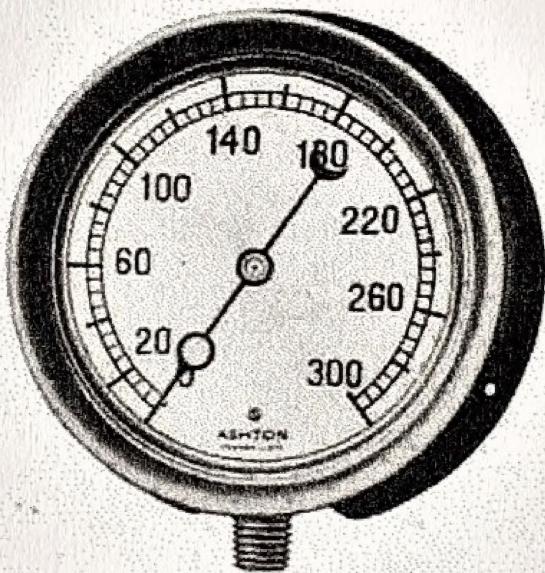
No. GC-10

These Valves are of high-grade bronze, automatic in relief, and of large capacity. Ideal for brine lines or for condensers or cylinders. Cutlet in base casting permits cleaning or regrinding without breaking inlet or outlet connection. Three inch size has female threaded inlet while all other sizes  $\frac{1}{2}$  inch to  $2\frac{1}{2}$  inch have male threaded inlet as standard. Good for 300 pounds maximum pressure.

# ASHTON GAGES



No. 57 for ammonia and other services which attack bronze



No. 51-10 All bronze internal construction. Ruggedly built  
for long time general service

*Manufactured Exclusively by*

**THE ASHTON VALVE COMPANY**

161 FIRST STREET  
CAMBRIDGE, BOSTON, MASS.

Distributors in Principal Cities

PRINTED IN U.S.A.

215

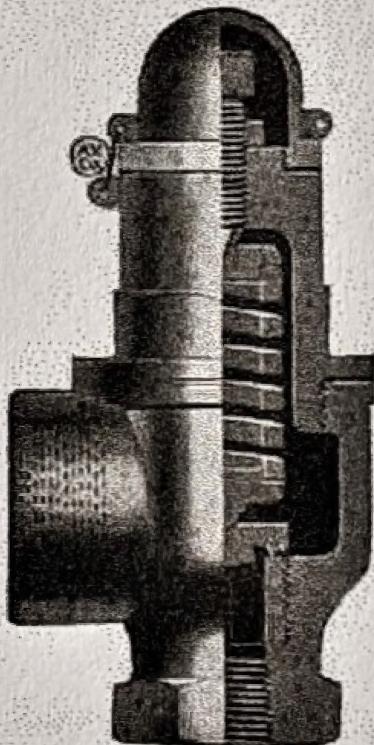
112

# ASHTON

Valves and Gages

*for*

## REFRIGERATION AND CHEMICAL SERVICE

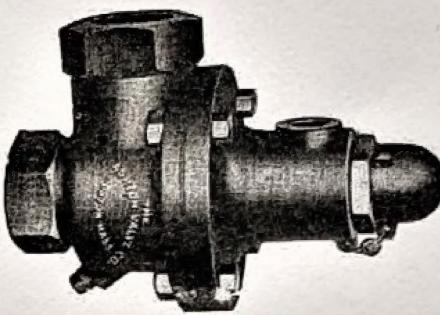


No. 23E

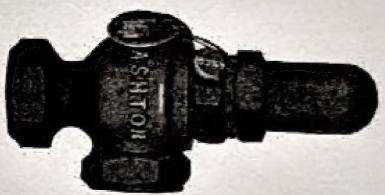
# ASHTON

# AMMONIA

# VALVE



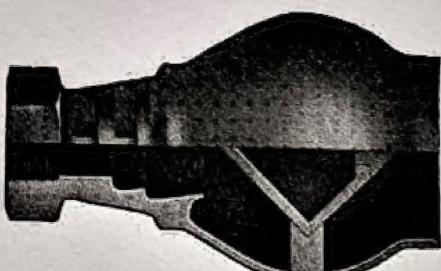
No. 23 M.A.



No. HI



No. HI-10



No. 23D

Special alloy trim can be furnished.

No. 23

Above style is as approved for use in Massachusetts. Vent piping from head should be protected to prevent entrance of moisture or dirt. Sizes  $\frac{1}{2}$  inch to 2 inches inclusive. Order No. 23 M.B. for this style for use outside of Massachusetts.

Style No. 23E, preceding page, is for general use, having outlet two (2) pipe sizes larger than inlet. No. 23C is same construction with inlet and outlet same size.

All Valves are given three different tests, the last one on ammonia gas, and are guaranteed to be tight when leaving our works.

All M.A. and M.B. Valves and 2 inch and  $2\frac{1}{2}$  inch Nos. 23C and E Valves have flanged heads;  $\frac{1}{2}$  inch- $1\frac{1}{2}$  inch inclusive, No. 23C and E have screwed heads.

DSI

For small compressor units, the No. HI and No. HI-10 Valves are ample and, due to smaller size, are more convenient than No. 23E.

All construction features of No. 23E Valves are retained and the No. HI has, in addition, a seating pin, the use of which may help in temporarily preventing leakage if sediment has become lodged under seat.

These Valves can also be used on refrigerants other than ammonia. Weight, about two pounds each.  $\frac{1}{2}$  inch size only.

## Ashton All Iron Relief Valve

This Valve is suitable for pressures up to 400 pounds per square inch at  $68^{\circ}$  F. and will remain tight in continued service. It gives prompt and free relief. Its cast iron head and base are of substantial construction and so designed that it can be taken apart for cleaning or regrounding without breaking inlet or outlet connection. It has 45° seat of cast iron — cast into base — all sizes up to 2 inches inclusive. Threaded bushings on larger sizes. Its ferrous construction makes it suitable for use with some liquids that attack bronze.

The No. 23 Valve is provided with a seal to prevent tampering with set pressure adjustment, and has full size inlet and outlet connections. To change pressure adjustment remove top cap, thus exposing pressure screw, which should be turned down for increased pressure, or up for less pressure. After each readjustment on the lock nut on pressure screw should be set up tight. Made in sizes  $\frac{1}{2}$  inch to  $2\frac{1}{2}$  inch inclusive. One-half to  $1\frac{1}{2}$  inch inclusive have screwed head (see No. 23E);  $2$  and  $2\frac{1}{2}$  inch have bolted head as illustrated.

THE ASHTON No. 23D Ammonia Diffuser is recommended for use in connection with the No. 23 M.A. Approved Ammonia Relief Valve, but may also be used with any Ashton Ammonia Relief Valve. By its use the discharge of ammonia gas from the relief valve will be effectively diffused with air before being freed into the atmosphere.

This diffuser is made with standard pipe thread inlet connection of the same size as relief valve outlet. The air inlets have a combined area approximately double the area of the ammonia nozzle, and the top discharge outlet has an area equal to that of the air inlets and the ammonia nozzle. The design of the diffuser is such that it will not readily corrode or otherwise become inoperative, nor will it offer any obstruction to the free flow of the ammonia gas. It should always be applied in a vertical position at the end of the relief valve discharge pipe. Sizes, 1" to 3", inclusive.